The Genuine

COONARA

The Warmest Aussie Legend

A Great Way To Keep Warm

Coonara "Grange Classic"

One of the world's most powerful efficient gas log space heaters

CUSTOMER OPERATING INFORMATION
&
INSTALLATION INSTRUCTIONS

Serial Number of Heater: _____ Model: _____

Grange Classic Gas Heaters ARE MANUFACTURED BY

SHAMIC SHEETMETAL (AUST.) PTY. LTD.

PO BOX 8, KILSYTH, VIC. 3137

PH: 03 9737 5300 FAX: 03 9761 6455

www.shamicheating.com.au

WARNING

THE FOLLOWING INSTRUCTIONS MUST BE CARRIED OUT OR WARRANTY BECOMES VOID.

Heater must be installed by an authorized person. You must obtain a license number from the installer.

Heater must be placed on a flat level surface. Inbuilt models must be placed on AC sheeting, to prevent unit from rattling.

Heater must be checked for scratches or dents prior to installation.

All glass must be fitted with a screw driver not a drill. If glass is broken upon install due to the screws being tightened too much, it will not be classed under warranty.

Further safety precautions and installation instructions are contained throughout this manual. Please read the manual before installation.

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PLEASE STORE THIS MANUAL IN A SAFE PLACE FOR FUTURE REFERENCE

Product Features

COONARA "GRANGE CLASSIC" INBUILT GAS LOG HEATERS

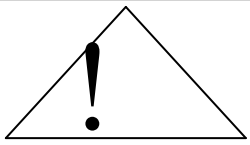
NAME PLATE

MODEL-GRANGE **GAS TYPE**	**NATURAL**	**L.P.G**	**Manufacturer**
MODEL TYPE	Inbuilt	Inbuilt	**Shamic Sheetmetal (Aust.) Pty.Ltd.**
GAS INPUT HIGH LOW	37 MJ/h 19 MJ/h	37 MJ/h 19 MJ/h	**PO BOX 8, KILSYTH, VIC. 3136**
HEAT OUTPUT HIGH LOW Efficiency Injector Size	8.9 kW 4.3 kW 86.5 % 3.3 mm	8.9 kW 4.3 kW 86.5 % 1.9 mm	To be installed by an authorized person in accordance with installation instructions provided with the appliance.
Manifold Pressure High Low	0.7 kPa 0.35 KPa	1.9 kPa 0.7 KPa	
A.G.A Approval No to Code AG103	7048		
Electrical Conform to AS3100		240V 50 Hz 120 Watts Max	
Air Pressure Switch		**Aria 380 series**	
Cut in Pressure		100 Pa	
Cut out Pressure		90 Pa	
Electrical Connection		Standard Flex. 2 Mt. 3 Pin Plug	

Coonara "Grange Classic" Inbuilt Gas Log Space Heaters

- Zero Clearance to Combustible Materials
- 5.1 Star Energy Rate
- Manual controls. Optional thermostat
- Electronic ignition.
- Modulated heat settings
- External combustion air intake - prevents de-oxygenation of room air.
- Delayed start room fan - prevents cold air being circulated at start-up.
- Heat ducted to any neighbouring room in your home – optional extra
- Power flue.

SAFETY PRECAUTIONS



- **DO NOT** –OPERATE THIS APPLIANCE BEFORE READING THIS INSTUCTION MANUAL.
- **DO NOT** – PLACE ARTICLES ON OR AGAINST THIS APPLIANCE.
- **DO NOT** – STORE CHEMICALS, FLAMMABLE MATERIALS OR SPRAY AEROSOLS NEAR THIS APPLIANCE
- **DO NOT** – OPERATE WITH PANELS, COVERS OR GUARDS REMOVED FROM THIS APPLIANCE.
- **DO NOT** – ENCLOSE THIS APPLIANCE
- **DO NOT** – MODIFY THIS APPLIANCE.

SAFETY GUARD

THE SAFETY GUARD IN THE GLASS DOOR IS FITTED TO THIS APPLIANCE TO REDUCE THE RISK OF FIRE OR INJURY FROM BURNS. NO PART OF IT SHOULD BE PERMANENTLY REMOVED. *IF HEATER IS DAMAGED*, DURING REMOVAL OF SAFETY GUARD, DAMAGE WILL NOT BE COVERED BY WARRANTY.

FOR PROTECTION OF YOUNG CHILDREN OR THE INFIRMED, A SECONDARY GUARD IS REQUIRED.

INSTALLATION

THIS APPLIANCE SHALL ONLY BE INSTALLED BY AN AUTHORIZED PERSON

IN ACCORDANCE WITH AS 5601/AG 601 (GAS INSTALLATION CODE),

MANUFACTURERS INSTALLATION INSTRUCTIONS,

LOCAL GAS FITTING REGULATIONS AND MUNICIPAL BUILDING CODES.

Customer Operating Instructions

The Coonara Grange Classic Gas log space Heater has been designed for a simple and efficient operation to provide you with a higher heat output than most other heaters in the market. The optional heat transfer kit means that your heater will provide you with a fully controlled modulated supply of heat, from a pleasant and steady warmth to the strongest heat output, to reach almost any corner of your home.

PRE OPERATIONS CHECKS

Prior to operating the heater, ensure that the flue terminal is not obstructed. Furthermore, make sure there are no combustible objects leaning against, resting on, or within the immediate vicinity of the unit. Check that the heater main power and gas supply are connected and switched on.

OPERATING THE HEATER

The heaters are operated by the room thermostat

1 - To ignite your heater press **Power Button** on the thermostat and the heater will automatically start the ignition sequence. After approximately 30 seconds of self-checking the heater will ignite.

2 - The heater will **always start in the low heat** setting and the heater will **warm up for at least 2 minutes** before automatically going to the higher flame setting.

3 - The fan will not start until the heater has reached the minimum operating temperature. In the High heat setting the fan speed will be locked in high and can not be set to medium or low speed, unless your change the heat setting to medium or low.

Note: On the Maximum heat setting the fan speed will be locked in high and can not be set to medium or low speed unless you change the heat to a lower setting.

TURNING THE APPLIANCE OFF

Press power button on thermostat once. The room fan will continue to operate for a short period while the heater cools down.
Please note:

1 - This appliance cannot be operated without the fan running.
2 - Due to the performance and efficiency of the heater, steam may be noticed coming from the flue terminal on cool days.
3 - As this appliance has a luminous effect some slight carbon deposition may occur.
4 - During first time firing of this appliance, an odour may be noticed for a short period of time while the paint cures. It is advisable to leave the windows open during the first few hours of the very first operation only.

SAFETY PRECAUTIONS

IMPORTANT POINTS:
! DO NOT place articles or clothing on or against this appliance
! DO NOT use or store flammable materials near this heater
! DO NOT place any item containing liquid on the heater
! DO NOT spray aerosol in the vicinity of this appliance when it is in operation
! ALWAYS supervise young children near the appliance

It is recommended that a secondary guard be used, to prevent access to the appliance by children, as outer panels of this appliance may reach high temperatures.

NOTE: In the event the electricity supply cord is damaged, it must be replaced with the original Coonara part obtainable from your authorized dealer.

SAFETY FEATURES:

Automatic Pre-purge: Before heater ignition this operation is done to evacuate any remains of gas or flue products from inside the firebox that could be the cause of a mishap.
Automatic Shut-off: Should the flame extinguish for any reason there is an automatic shut off of the gas supply.
Over temperature protection: In the event of the room fan failing, blockage of airways or incorrect gas installation, the gas supply will automatically shut off to prevent the appliance from over-heating.

Warning: This appliance must be installed to comply with AS 5601/AG601 codes and regulations and only by an authorized person who is responsible for its correct operation at the time of installation and final Commissioning.

For your own convenience please record the following information in the space provided:

Purchased from:

Name……

Address……

Phone No……..Date of purchase:…….……

Serial No of appliance:……

To be completed by the installer:

Name……..Licence No…….

Address……..

Phone No……. Installation Date…….

WARNING

Heater must be checked for scratches or dents prior to installation.
Once the Heater is installed scratches or dents are NOT covered by warranty.
Heater must be placed on a flat level surface.
Inbuilt models must be placed on AC sheeting, to prevent unit from rattling.

INSTALLATION OPTIONS:

*** ONLY TO BE CARRIED OUT BY AN AUTHORIZED PERSON!**

The Grange Classic Inbuilt Heater is a zero clearance appliance and can be optionally installed in a false fireplace or wall cavity made of combustible materials such as wood or chipboard. Coonara provide the heater with their own flue kit, of flexible pipes of 60mm and 50mm diameter for the inlet and exhaust. For the gas supply a flexible hose is provided and must be used.

Notice: For Horizontal flue installations more than 1 meter long, the air intake restrictor plate, located in the gas cowl inlet connection, must be removed by using a Tin-Snip or similar tool. See page 13.

SERVICE INSTRUCTIONS - INBUILT

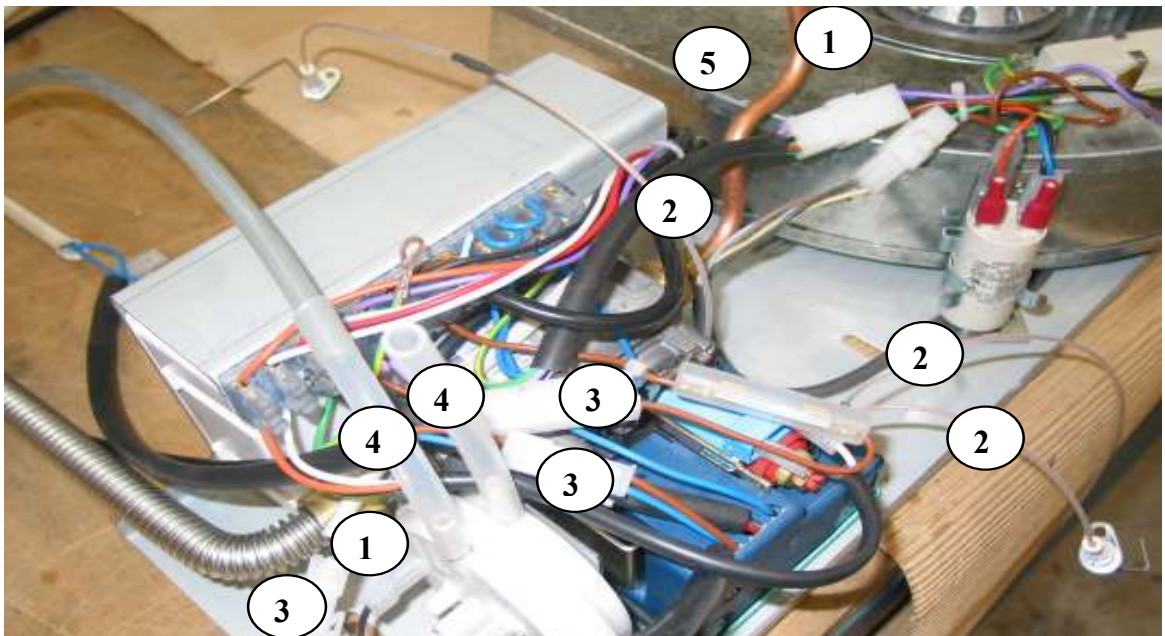
To access flue fan and the over temp switch, the heater needs to be removed. To access the log set the door frame and glass need to be removed. To access all other components the following steps apply:

To remove tray for service:

1. Undo gas connection going into gas valve and flow tube at firebox.
2. Pull out igniter cable x 2 and heat sensor cable x 1. These are clipped into blue box and RH side.
3. Unclip plastic wire connections (plugs) x 3.
4. Pull silicone tubes off pressure switch x 2.
5. Udo two wing nuts. Lift fan up and pull forward. The tray will come free for service.
6. To access firebox, read installation instructions Page 10.

To refit tray

7. Undo hex nut holding fan down. The nut is located behind the capacitor. Slide tray back in and pull forward. Then lock down with two wing nuts. Turn fan on slight angle so LH corner enters cut out first. Twist fan into position and fix with hex nut. Then follow dismantling procedure in reverse.



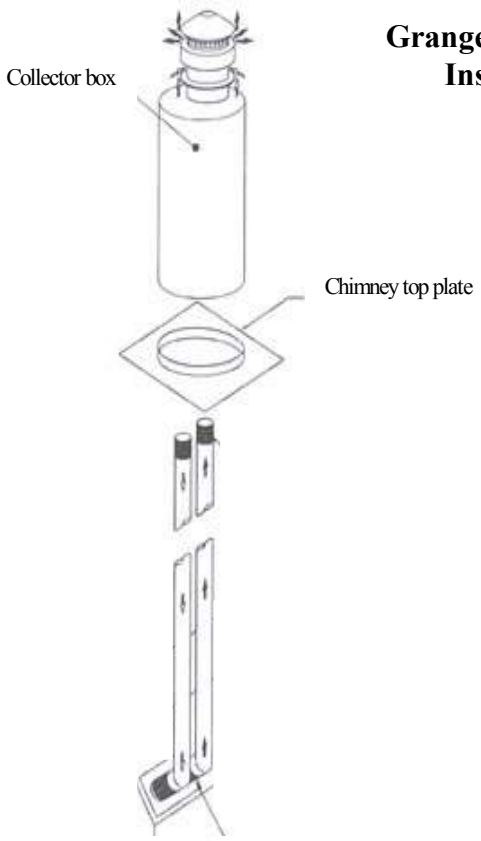
ALL INBUILT MODELS ARE TO BE PLACED ON A FLAT LEVEL SURFACE TO PREVENT RATTLES

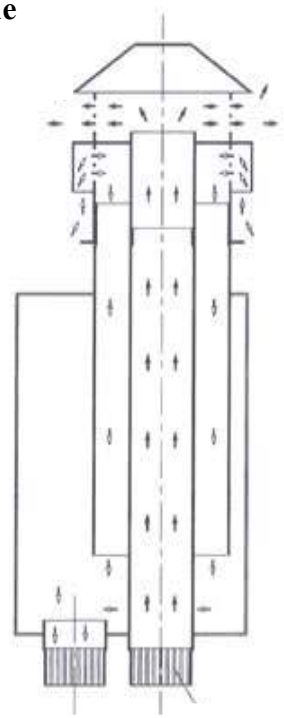
VERTICAL FLUE INSTALLATION

INBUILT MODEL

1. Connect flue terminal to both flexible flue pipes.
2. Feed both flexible pipes down the chimney cavity.
3. Fix flue terminal securely to top of chimney and seal to prevent water entry. Seal with Hi temperature waterproof silicon sealant prior to cementing to chimney top, pop rivet circular flange to the collector box. (Chimney installation only).

Grange Inbuilt Flue Installation





COLLECTOR BOX

Manufactured by SHAMIC SHEETMETAL (Aust.) Pty. Ltd.

NOTE: AIR INTAKE RESTRICTOR PLATE MUST BE REMOVED FOR FLUE LENGTHS OF MORE THAN 1 METER.

Rear vent Flue Installation

1. Determine the exact location for the heater.
2. Mark the exact location for the wall penetration
   a. Determine that you will not be cutting through any vertical wall studs.
   b. Check that the location of the wall-mounted terminal conforms to the requirements of AG601 – Location of a Flue Terminal.
3. Cut 2 holes 70mm in diameter at 160mm centres holes to be side by side in the horizontal.
4. Use the back of the cowl as a template for fixing holes.
5. Fit flex flue to spigots on the rear of the cowl using provided hose clamps and seal with silicone (high temp).
   NOTE- it may be necessary to trim the flue depending on wall thickness.
6. Attach the back of the cowl to the wall. Silicone around outside.

INSTALLATION - GAS PRESSURE TO GAS VALVE
NAT 1.1 KPA / LPG 2.75 KPA

Only to be carried out by an authorised person!

1. Unpack flue kit and log set. (Packed inside with heater).
2. Carefully remove the cardboard carton surrounding the heater, then remove the heater from the pallet.
3. Connect flue pipes to unit. Connect gas to gas valve and check pressure coming in. Minimum pressure required – NAT GAS = 1.1 KPA & LPG = 2.75KPA. High and low settings on gas valve are **FACTORY SET.**
4. Remove door frame by undoing 2 screws under the door.
5. Remove 4 glass retainers and glass. This will give access to the firebox.
6. Start by pressing **power button** on the thermostat. Heater will not light for approx 1 minute. Once the firebox gets warm it will then go to higher temp. Switch off using **power button** on the thermostat. This may have to be done 2 – 3 times, until unit is purged.
7. Once heater is working, unpack log set and place in firebox, making sure you do not move the sensor when placing the back log.
8. Re assemble heater in reverse order.
9. Fascia Panel hooks on to the unit at the top. One screw secures the fascia at centre bottom under door.

INSTRUCT CUSTOMER OF CORRECT OPERATING PROCEDURE.

INSTALL INTO A STUD WALL CAVITY

1. Mark the exact location of where the heater is to be located with an outline 720mm wide by 615mm high (minimum)
2. Check that location for the flue terminal conforms to the requirements of AG601 Location of a Flue Terminal.
3. Cut out the plaster board and timber supports (re-position supports if necessary)
4. Refer to figure 1, and continue as described on previous page.

INSTALLATION THROUGH A WALL THAT REQUIRES A WEATHER COVER

1. Mark the exact location of where the heater is to be located with an outline 720mm wide by 615mm high.
2. Check that location for the flue terminal conforms to the requirements of AG601 Location of a Flue Terminal.
3. Cut out the plasterboard and timber supports (re-position if necessary). Cut out the outer brickwork.
4. Locate the appliance. Connect gas.

5. Feed the gas line through the hole located at the lower right hand side of the outer weather cover (provided) and the flue pipes through the pre-punched hole for the flue pipes on the upper left hand side.
6. Fit the outer weather cover over the exposed heater body and screw to the outer wall. Also use a silicon sealant.
7. Trim the inner flue to 50mm longer than the outer flue.
8. Fit the cowl back to the outer weather cover (Also use a silicon sealant). As page 10 instructions.
9. Fit the cowl to the flue pipes and then to the weather cover.
10. Install heater as instructions on page 10.

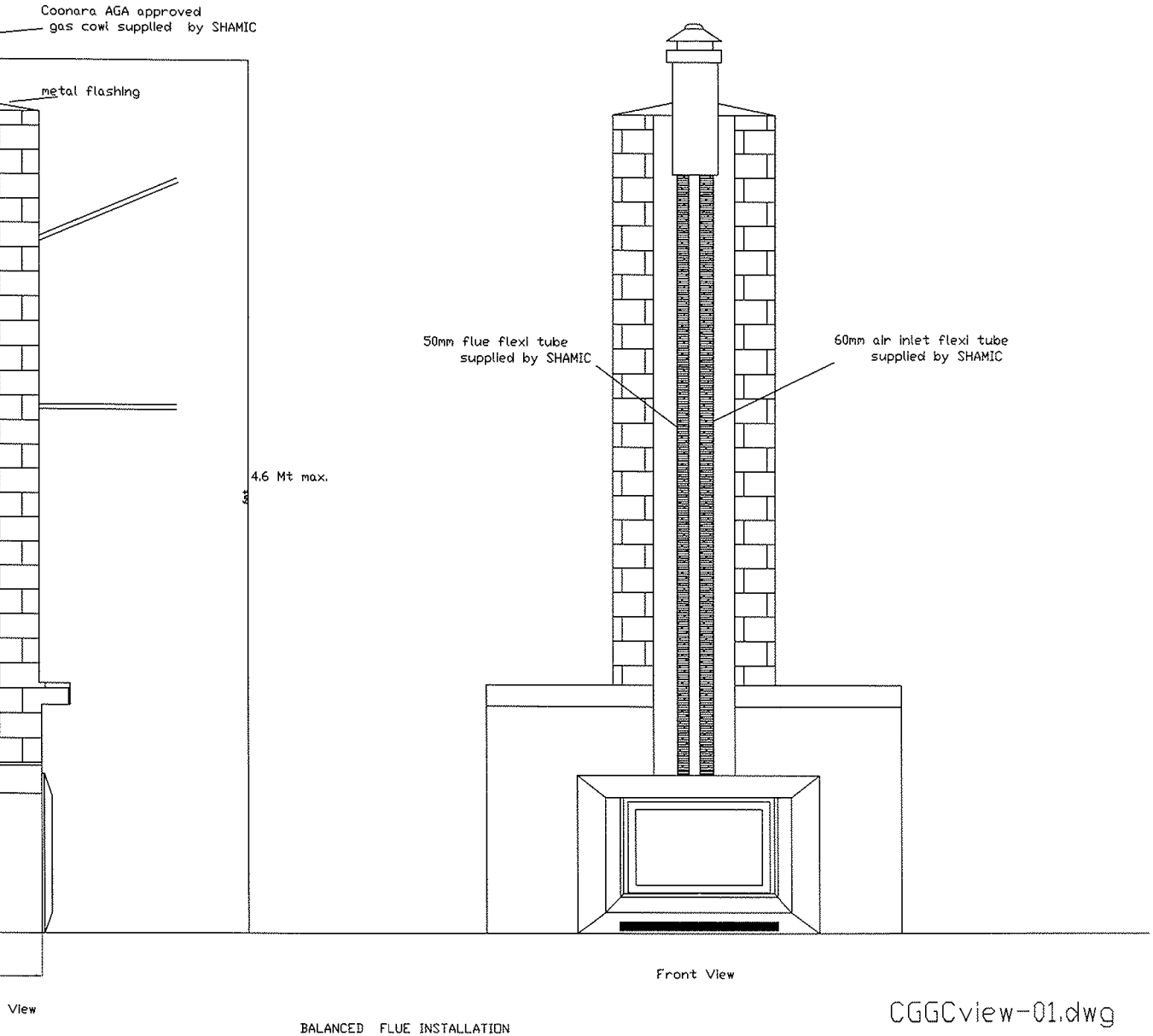
EXTERNAL WEATHER COVER

1. The weather cover has in the bottom RH corner a moveable plate for gas connections.

2. Pre punch holes to take cowl.

3. Weather cover must be sealed with silicone to stop water entry.

Note: when the weather cover and cowl are attached it is necessary to seal the top and side edges with silicone to prevent water entry.



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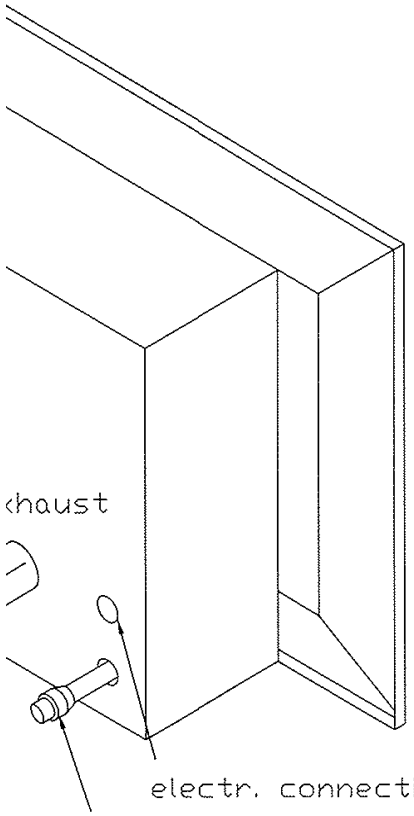
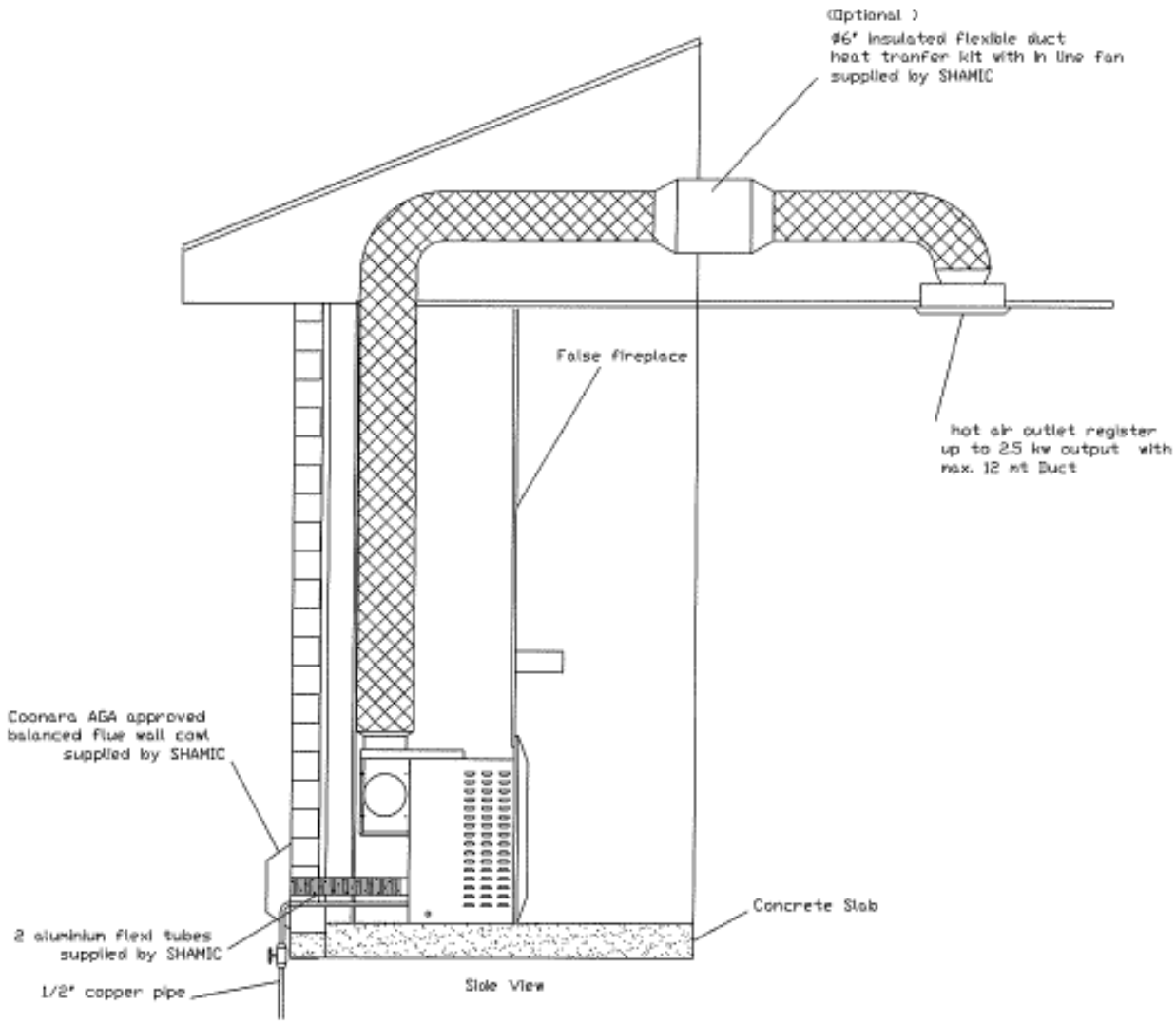
BALANCED FLUE INSTALLATION
STANDARD FIREPLACE



/2" BSPM Flex. S.S. gas connection

HorzflueClassic-01

FALSE FIREPLACE ON CONCRETE SLAB AND WALL PENETRATION WITH SHAMIC HORIZONTAL FLUE KIT SHOWING OPTIONAL AIR TRANSFER SYSTEM.



Wall penetration with Coonara Balanced flue

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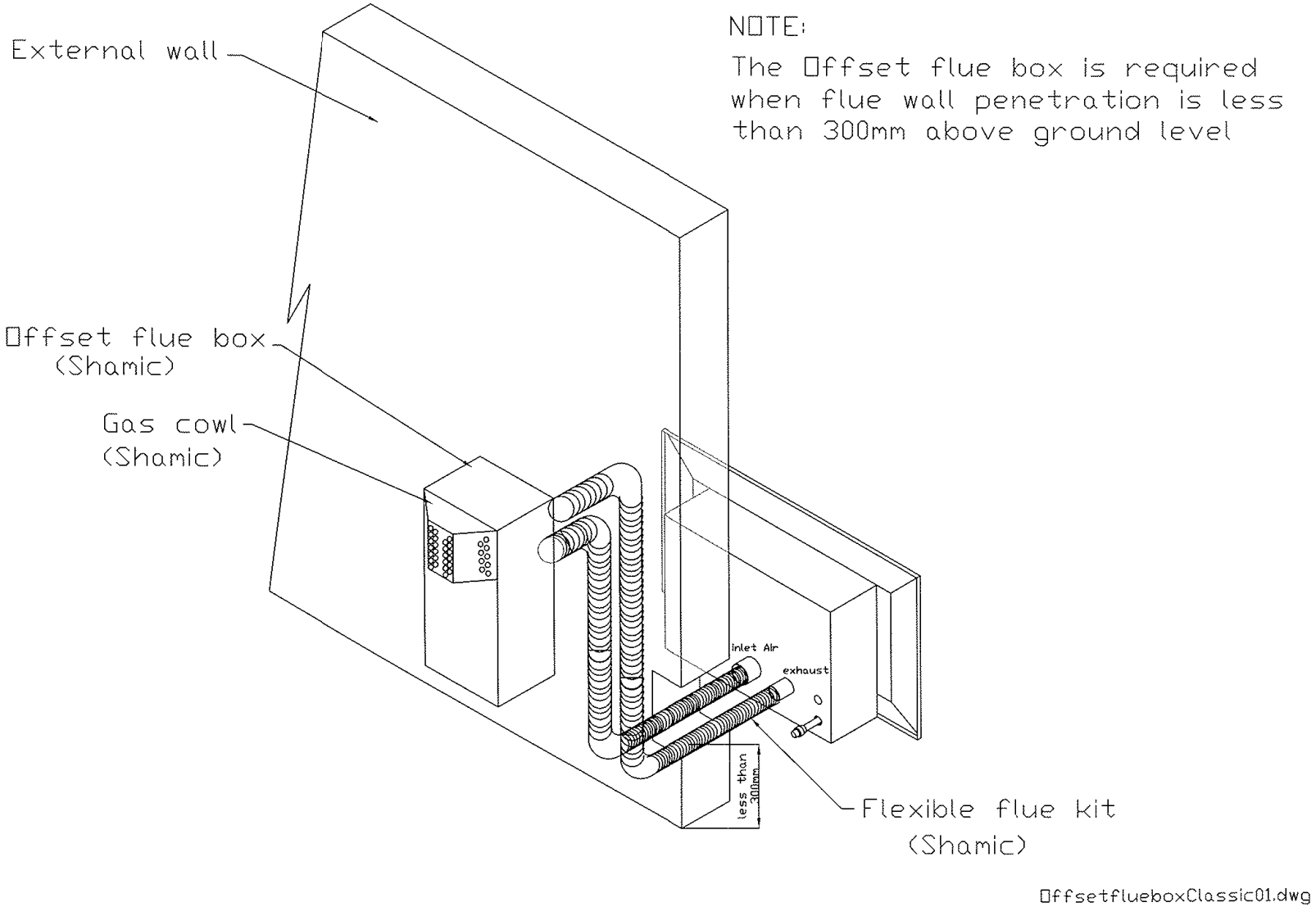
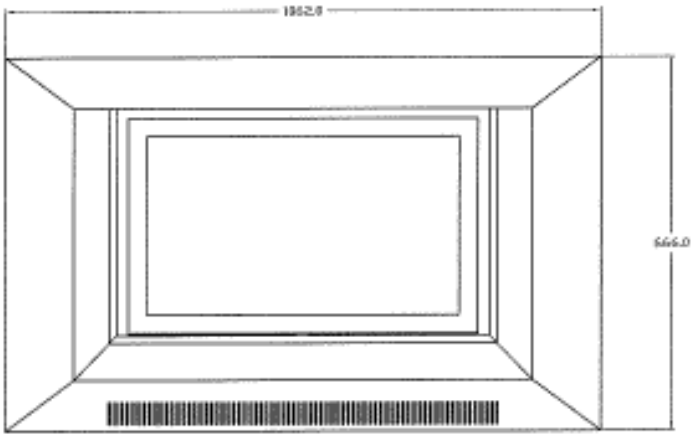
Offset flue box



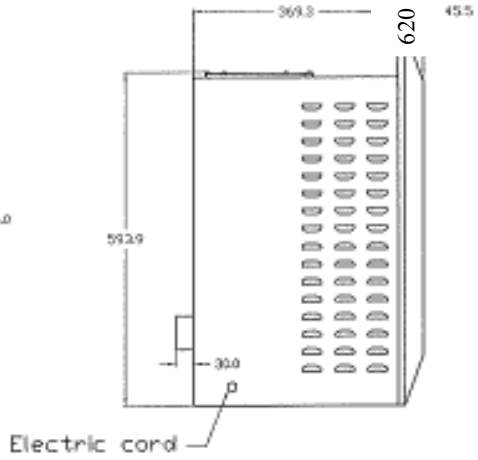
The Offset Flue Box is used only when wall flue penetration has less than 300mm high from outside floor

DIMENSIONS OF APPLIANCE INBUILT MODEL

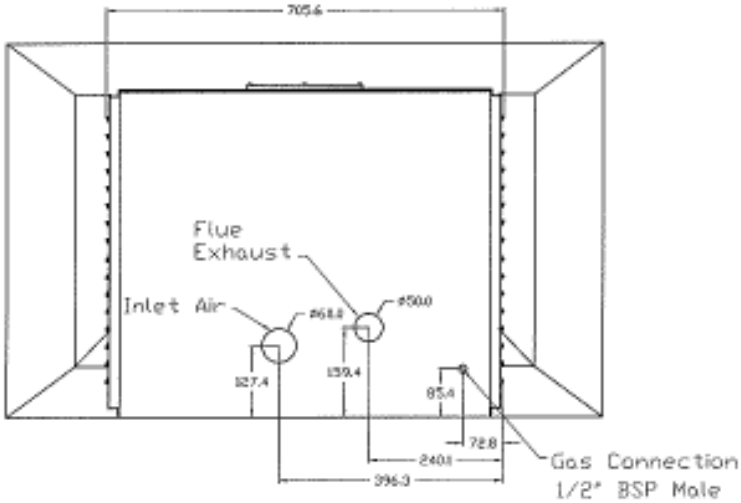
GRANGE CLASSIC INBUILT - APPLIANCE DIMENSIONS



Front View



Side View



Rear View

Manufactured By :
SHAMIC SHEETMETAL
(AUSTRALIA) PTY. LTD.

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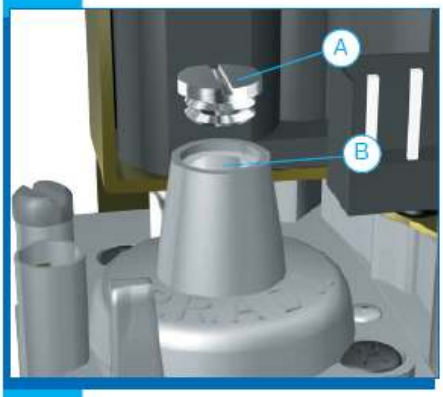
PRESSURE ADJUSTMENT

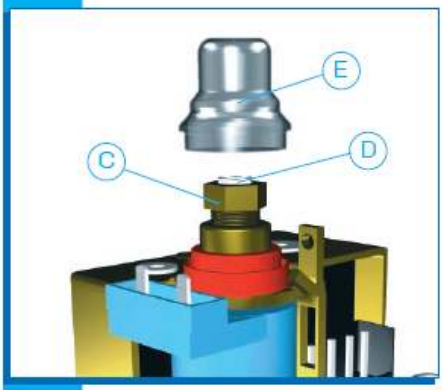
Your Coonara Grange Classic Heater has been fully factory preset and adjusted and does not need to be re-adjusted during installation. But there will be some situations where some service has to be done and gas pressure may need to be re-adjusted as per the following instructions:

840 OUTLET PRESSURE ADJUSTMENT



All adjustments must be made on the basis of the specific characteristics of the appliance. Check inlet and outlet pressure using the pressure test points provided. After testing, carefully seal test points with the provided screws. Recommended torque: 1.0 Nm.
Disconnect pressure regulator connection "VENT" (if used).
Remove the protective plug A.
Screw in the screw B to increase the pressure and screw it out to decrease it.
After setting put back the protective plug.

843/845 OUTLET PRESSURE ADJUSTMENT

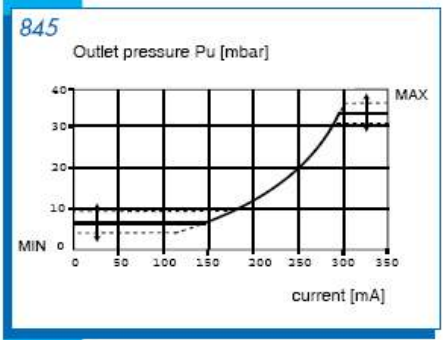


All adjustments must be made on the basis of the specific characteristics of the appliance. Check inlet and outlet pressure using the pressure test points provided. After testing, carefully seal test points with the provided screws. Recommended torque: 1.0 Nm.
Disconnect pressure regulator connection "VENT" (if used).
Remove the modulator plastic cap E.

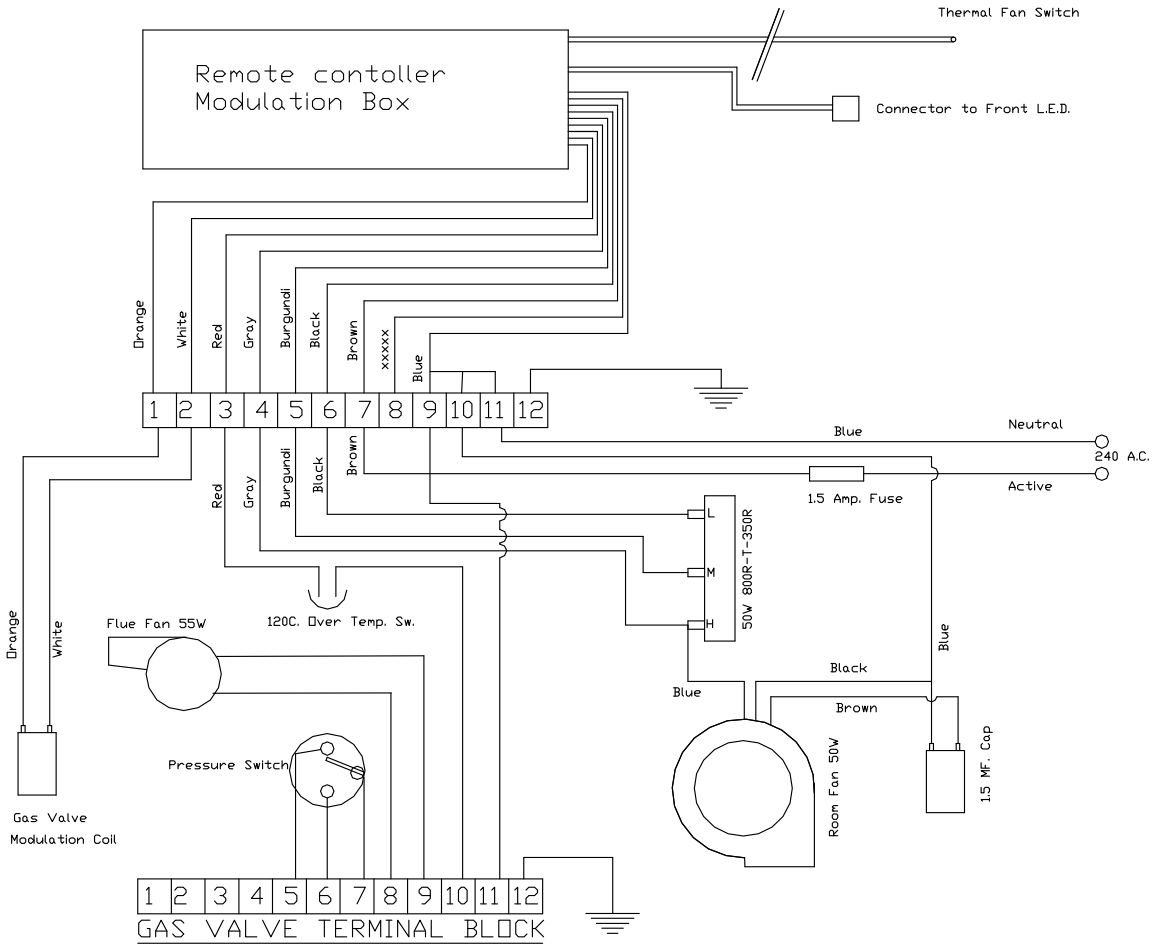
• Maximum pressure: power the modulator in the maximum condition. Screw in the nut C to increase the outlet pressure and screw it out to decrease it. Use a 10 mm spanner.

• Minimum pressure: Turn off the power supply to the modulator and, keeping the nut C stationary, screw in the screw D to increase the pressure and screw it out to decrease it. Screwdriver 6 x 1 blade. Carefully put back the modulator plastic cap. Reconnect pressure regulator connection (if used).

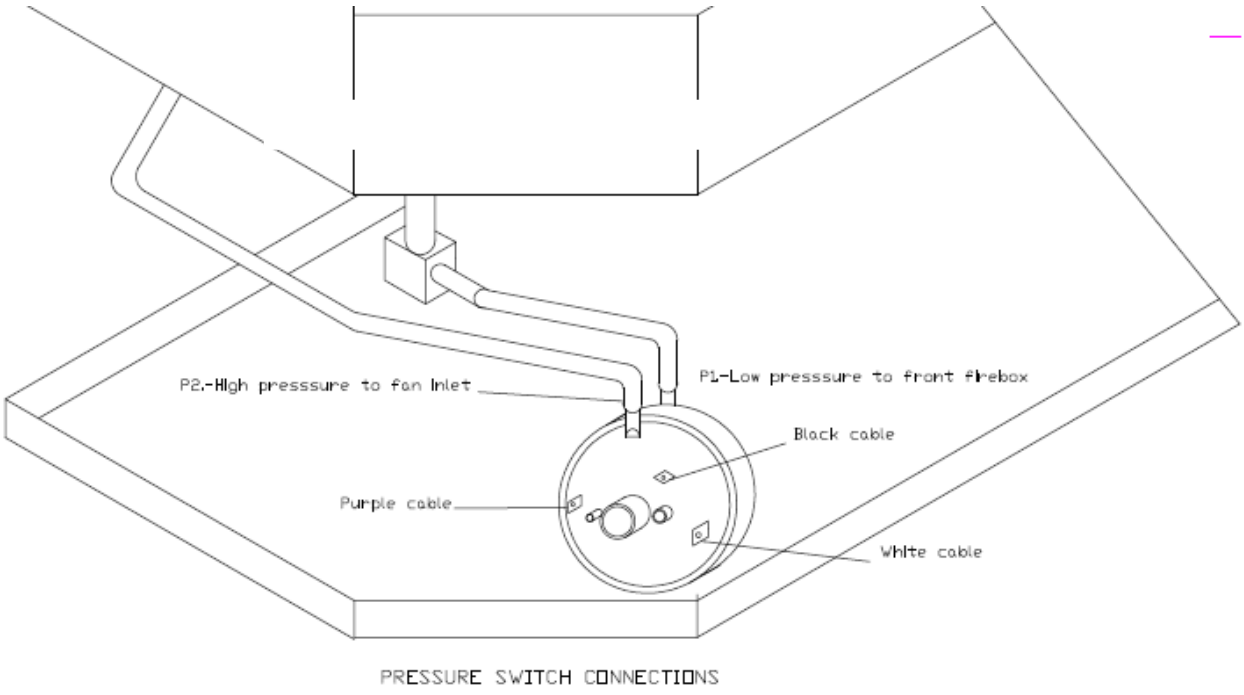
WARNING: to ensure the correct operation of the modulator it is necessary that the plastic cap E is returned to its original location.



WIRING DIAGRAM



PRESSURE SWITCH



PRESSURE SWITCH CONNECTIONS

COONARA GRANGE CLASSIC LOG SET LOCATION DETAILS

WARRANTY

DESIGNATION OF WARRANTOR. This warranty is extended by Shamic Sheetmetal (Aust) Pty. Ltd with respect to Coonara gas heaters

PRODUCT. This Coonara Gas heater is comprised of the heater proper (including components and firebox), fan assembly, speed control switch, electrical components, gas valves, seals and moving parts. Except where specifically excluded from coverage hereunder, this warranty covers all components designed.

See exclusions and qualifications below for further information on product coverage.

WARRANTY:

1) Shamic Sheetmetal (Aust) Pty. Ltd, warrants the firebox and the heat exchanger to be free of defects in materials and workmanship of a period of five (5) years from the date of purchase.
2) Shamic Sheetmetal (Aust.) Pty.Ltd., warrants that all other components of the unit to be free of defects in material and workmanship for a period of one (1) year from date of purchase, excluding door glass and decorative logs.
3) If this Coonara heater is found to be defective in material or workmanship Shamic will repair or replace such defects in the Coonara heater at Shamic's option in accordance with Coonara's warranty policy during the period on this warranty.
4) Exclusions and qualifications. This warranty is subject to the following exclusions and qualifications.
    a) This warranty extends only to the original consumer purchaser, who has purchased the heater from an authorised Coonara dealer.
    b) This warranty does not apply to, and Coonara assumes no responsibility for any damages that result due to, installation or operation of the heater not in accordance with both the installation and operation instructions furnished with the unit.
    c) This warranty does not apply to any heater which has been modified or damaged in shipping or by improper handling, improper operation, abuse, misuse, accident or unworkmanlike repairs.
    d) Shamic Sheetmetal (Aust.) Pty.Ltd. does not warrant the structural performance of the heater when fuel products other than the specified gas fuels are used. Flammable liquid fuels are explosive and should never be used in this product.
    e) Shamic Sheetmetal (Aust.) Pty.Ltd. expressly excludes any liability hereunder for defects or damage caused by the installation or of any components not expressly authorised and approved by Shamic. Shamic further assumes no liability for defects or damage caused by any modification not expressly authorised and approved by Shamic. Unauthorised components or modifications could create a fire hazard by altering the safety design of the heater.
    f) Building Codes. Since building code requirements vary, users should determine in advance whether there are any building code restrictions on the installation or use of the heater. Shamic makes no representation of warranty regarding building code compliance and shall not be responsible for compliance therewith.
    g) Shamic will only accept claims under this warranty in strict accordance with the conditions set out below.
5) Shamic Sheetmetal (Aust.) Pty.Ltd. shall not be liable for any breakages of glass and log components, transit damage or for any claim by any person for incidental or consequential damages caused by defects in the Coonara heater. Whether such damage occurs or is discovered before or after replacement or repair, and whether or not such damage is caused by Coonara negligence. Normal wear and tear items such as routine surface maintenance, seals and door glass are also excluded from this warranty.

6) This warranty contains benefits in addition to all other specific legal rights and remedies, which the purchaser may have under statute. You may also have other rights, which vary from state to state.
7) This warranty applies only to units purchased from an authorised dealer and the duration of this implied warranty, including merchantability, applicable to this Coonara heater is limited to the duration of the foregoing warranty.
8) Before Shamic Sheetmetal (Aust.) Pty.Ltd. will recognise or accept a claim under this warranty, you must provide proof of purchase. On purchase of the heater, despatch your warranty card to Shamic Sheetmetal (Aust.) Pty.Ltd.
9) Your authorised dealer must be notified of any defect in the heater, for investigation of the claim. In the event where repairs are necessary and claims under warranty are accepted, the purchaser shall be required to return to the authorised Coonara dealer the heater or any removable defect part for repairs.

CARE OF YOUR GRANGE CLASSIC GAS HEATER

This appliance requires minimal maintenance, however, it is recommended that a qualified person make a full service and check annually.
The Bottom fascia air grill should be removed by unscrewing the two screws and the fan vacuumed annually.
To clean the appliance, simply wipe over with a damp cloth. Do not use solvents or abrasive cleaning agents.

Before making a service call check that:

1 - Electrical power is on

2 - Gas is turned on

3 - There are no obstruction /blockages of the flue terminal

TROUBLE SHOOTING GUIDE

PROBLEM	POSSIBLE CAUSE	REMEDY
Appliance fails to ignite.	No gas supply or pressure insufficient.	Ensure gas supply connected, purged, and pressure appropriate.
	No electrical supply.	Ensure unit plugged in and switch is on, check supply fuse. Check supply. Active, neutral, & earth must be correctly orientated and connected.
	Incorrect gas valve adjustment.	Adjust valve pressures.
	Insufficient time allowed between attempts.	Wait at least 15 seconds for unit to purge combustion chamber after switching on.
	Internal wiring disconnected.	Check all plugs inside appliance are connected properly and correctly located, Ensure operation of combustion fan & air pressure switch.
Appliance ignites then goes out	Check Polarity/Heat sensor bar	Check supply. Adjust lower. Active, neutral, & earth must be correctly orientated and connected.
Unit will not operate on Low.	Incorrect gas valve adjustment.	Adjust valve.
	Incorrect or loose wiring.	Check wiring.
Room fan not operating.	Insufficient time allowed.	Fan has a delayed start and will not start until unit warms-up.
	Loose wiring.	Check wiring.
	Fan not located correctly.	Install fan in correct location.
	Fan blocked.	Remove and clean fan.
Unit cuts out after a period of time then cycles on and off.	See "Room fan not operating"	See "Room fan not operating"
	Heat exchanger blockage.	Clean heat exchanger.
	Excessive pressure or incorrect gas type.	Ensure correct gas type, injector size, and pressure setting.
Excessive carbon (soot) deposits on inside of firebox, logs, and/or glass.	Incorrect gas type or pressure setting.	Ensure correct gas type, injector size, and pressure setting.
	Primary air shutter incorrectly adjusted for gas type.	Adjust primary air shutter.
Excessive flame height.	Incorrect gas type or pressure setting.	Ensure correct gas type, injector size, and pressure setting.
Excessive flame "lift off"	Flue or inlet blockage.	Clear blockage.
	Recirculation of flue gases.	Flue incorrectly installed.
Unit fails to heat.	See "Room fan not operating"	See "Room fan not operating"
	Incorrect gas type or pressure setting.	Ensure correct gas type, injector size, and pressure setting.
	Gas supply blockage.	Check injector, burner supply pipe, & valve for foreign matter.
Burner will not spark	Gap between burner & sparker should be 3mm	Remove front burner cover, using pliers. Bend tags holding sparker**. <u>Do not bend sparker</u>**.

All service work to be carried out by a qualified & authorised person

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